

News You Can Use !!! *Joint Concept Completes Staffing*

The Marine Corps Combat Development Command (MCCDC) has completed its second and final staffing of the "Joint Concept for Non-Lethal Weapons" to all the Services and USSO-COM. The majority of all comments received were incorporated and the final version of this key document has been passed to the NLWD for signature preparation. The agreed upon procedure was that the document when finalized through the staff process would be signed off by the Executive Agent and then forwarded to the Joint Doctrine Center as a proposed joint document. It is anticipated that the "Concept" will be signed and forwarded sometime during August or early September.

Master Plan Draft Begins Review Process

The Joint Service Non-Lethal Master Plan which describes in considerable detail the "vision" for the joint program has completed its initial development. Based on a number of existing or similar documents, the first cut was informally distributed to the Services at the Joint Concepts/Requirements and Acquisition working group at Quantico on 1 August. Once input is received a formal process will be started by the NLWD.

Director's Program Reviews

The Joint Non-Lethal Weapons Directorate (NLWD) has scheduled and, by the time you read this, will have conducted the first set of Director's Reviews. The initial presentations are being done at Quantico in the Directorate's spaces, with the next semi-annual reviews being conducted on-site at the R&D activity. These reviews will allow the Directorate to fulfill its responsibility to gauge financial performance in each of the 14 approved multi-service projects, as well as gain a complete understanding of the details involved with each particular project. Those projects that are performing well and tracking with their planned milestones will enhance the long-term viability of their joint funding. Similarly, those project struggling to meet planned timelines or having difficulty managing their assigned funds will risk a re-programming of previously allocated funds by the Integrated Product Team (IPT). All program offices have been provided detailed briefing formats which should facilitate future presentations of data and will be compulsory for all future reviews.

Tech Investment Program Off and Running

The NLWD received a total of 63 proposals from various government labs and other NLW-related activities. On 22 July, a Technical Merit review Panel met under the cognizance of Mr. John Busic of the NLWD. The results of their assessment will be meshed with the review by the Technology Investment Service Review Panel (TISRP) which held its kick-off meeting on 1 August at

Inside

- 1 Joint Concept Completes Staffing
- 2 POM-00 Instructions are OUT
- 2 New NLW Logo !
- 3 JCRG, JAG, and IPT scheduled for September

"When program reviews are conducted . . . there should be a direct reflection of the JOINTNESS . . ."

Quantico. The TISRP will meet again on 14 and 15 August and finalize its recommendations on which projects should receive funding during FY98 and FY99. Those recommendations will be reviewed at the JAG (Joint Acquisition Group) and JCRG (Joint Concept/ Requirements Group) in September and forwarded to the IPT for approval. The projects will begin receiving funding in October for a two year designated period with specified deliverables.

POM-00 Instructions On the Street

As of the 1st of August, the NLWD has provided the initial guidance and instructions for the submission of POM-00 initiatives from all the Services and SOCOM. This submission is critical to the funding plan for the joint program through the year 2005. Although at this time funding levels are expected to remain consistent through the outyears, all initiatives will be considered, evaluated and "racked and stacked" by a POM Working Group (PWG) on 21 and 22 August. The results of the PWG effort will be briefed to both the JAG and JCRG for final recommendation to the IPT in September. The finalized POM submission is expected to be provided Headquarters Marine Corps (P&R) by 19 September where it will be included in the Marine Corps POM "core".

Working Group Identifies Project Lead Services

On 1 August at the joint requirements and acquisition working group meeting, the assembled representatives went through all the approved NLW projects and came to a consensus on which Service had the lead for development. Earlier,

individual Services had raised their hand to lead the effort to identify and publish the Joint Operational Requirements Document (JORD). The actions at this meeting assisted in recognizing the Service that would take the project through its acquisition milestones which implied procurement as well. This is a significant responsibility for the Service so identified. It implies that that Service will assume the responsibility for all program management functions which include drawing into the program the other "interested" Services. When program reviews are conducted by the Directorate, there should be a direct reflection of the "jointness" of the program sponsored by the Lead Service. If this joint characteristic is weak or not there, the program may be jeopardized for future joint funding. A similar responsibility for the POM submission rests with the lead agency. The POM initiative submitted by the lead Service must reflect the associated "other Service" R&D and procurement funding.

New Non-Lethal Program Logo

The JNLW Directorate has created and published its new logo. The logo depicts a



downward-facing sword which implies a less-threatening weapon against a military banner holding four stars. The banner and stars symbolize our U.S. Armed Forces. There are two olive branches on either side of the stars representing "peace". Both the sword and the banner are superimposed on a background of the globe indicating our world-wide commitments. The Latin motto, loosely translated, "Safeguarding Peace, Safeguarding Life".

NLW Website in Development

A Joint Non-Lethal Weapons Program website is nearing completion of its construction. This site which will hold unclassified information on NLW will be accessible through the Marine Corps Home Page by the end of September. Besides the overall DoD policy and information concerning the structure and organization of the NLW program, there will also be information about upcoming events and recent significant activities. The website will also provide other links into internet locations which might provide the user additional information on non-lethal military technologies.

NLWD III Conference Set for February 1998

The American Defense Preparedness Association (ADPA) is co-sponsoring with the Joint NLW Directorate its third NLW Defense conference. This next conference will be held in northern Virginia on 27 and 28 February 1998. A call for papers is being distributed as this is being written via the internet and through the mail. This coming conference will focus on the new NLW technologies and their military application. Please mark the dates on your calendar. If you have any questions concerning the conference, please contact us here at the Directorate.

How to Reach the Joint NLW Directorate??

To contact us here at our new offices in Quantico, please call the following numbers:

DSN 278-1977/2951

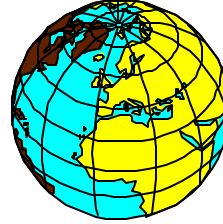
Our mailing address is:

Director, Joint Non-Lethal Weapons

3097 Range Road
Quantico, VA 22134-5100

Got Ideas ? Send them !

This is the first attempt to get information out to a wide NLW community. We are not sure we can or should do this monthly, bi-monthly, or quarterly. We are not sure that this is the best format. Nevertheless, we are intent in keeping everyone involved and/or interested in NLWs well-informed as to what we are doing to develop our DoD NLW TEAM. If you have any ideas on the above, or other suggestions such as annual awards for NLW Excellence, or more serious suggestions on how to field this technology more quickly to our primary customer - the Marine, Soldier, Sailor, or Airman out there dealing with the real challenges in the real world - please let us know. Thanks from the Staff of the JNLWD.



News You Can Use !!! *Tech Investment Program Selects Proposed Projects*

With the completion of our recent Joint Concepts requirements Group and Joint Acquisition Group meetings the Technology Investment Program (TIP) has three newly approved projects for the coming year. The TIP solicited for proposals from all government activities and laboratories doing work in non-lethal technologies. Of the 63 proposals received, three were classified. Each proposal was subject to a technical merit review, a service review, then review by both the JCRG and JAG. The three projects selected were: Odorous Substances from ERDEC, Spider Fiber Entangler from Naval Surface Warfare Center Dahlgren, and a NL Electromagnetic Pulser from the Navy Research Lab. These short-term projects with very specific deliverables will only use about half the available funds in the TIP. The remaining funds were held in abeyance pending the results of a broad area announcement in the areas of NL layered defense concept and long-range delivery of NL payloads.

POM-00 NLW Input Set for HQMC

The Integrated Product Team (IPT) approved the Joint NLW POM-00 submission for inclusion in the POM core of the Marine Corps. This submission included the current 14 approved joint projects, and four new initiatives.

These new projects included Improved NL Capability Sets, a NL Anti-personnel Landmine project, Advanced Vehicle Integration which involves UAVs and UGVs (Unmanned Ground Vehicles), and an Advanced Kinetics project. These initiatives along with existing projects were developed within the projected funding profile of \$25 million in FY00 ramping up with a 2.4% inflation factor to just under \$28 million in FY05.

New Fiscal Year Starts

The Joint Non-Lethal Weapons Directorate (JNLWD) has worked hard to prepare for the start of the new fiscal year in terms of financial management. All the required Military Interdepartmental Processing Requests (MIPRs) have been prepared and should be forwarded during the first week of October to the appropriate agencies. To better serve the Services it is supporting in this regard, the JNLWD has gained approval to vary from standard Marine Corps fiscal practice and consolidate Service funding requirements for forwarding to minimal points of contacts across service lines. The movement of money, and even more importantly the responsive provision of fiscal reports from performing or Service agencies, has been a challenging learning aspect for the new joint program. One additional point for all program managers to focus on is the requirement to identify the other service R&D funds for their project which will be moved from their funding line to the supporting service. An example is the UAV Non-Lethal Payload which has supporting involvement from the Marines, Army and Air Force. The Navy program manager must ensure

Inside

- 1 [New FY Starts !](#)
- 2 [NL Team Back from Bosnia](#)
- 2 [JAG Program Reviews in November](#)
- 3 [NL Training Concept now being developed](#)

he knows how much of his expected FY funding will go directly from the JNLWD to the other services to support travel and ILS documentation. If there are any questions concerning this, program managers need to contact Ms. Patty Gore, JNLWD Budget Officer, DSN 278-2997/3049.

NL Briefing/Training Team Supports Bosnia Task Force

The JNLWD on a short notice tasker from the Joint Staff assembled a team of briefers from the Army Material Command/ARDEC and the US Army MP School (USAMPS) to brief the senior leadership in USAREUR. The briefings done at Hohenfels, Germany at the Army's Maneuver Combat Training Center were provided to the CG USAREUR, CG V Corps and CG 1st AD. The team then proceeded to Tuzla where it briefed MG Grange, CG 1st ID and Task Force EAGLE. During their return from Bosnia, the mission changed to one of training. Adding two more instructors from USAMPS (SFC Barnes USA and GySgt Carlson USMC), the team then returned to Bosnia for four days and trained 250 soldiers in the employment of non-lethal munitions. USEUCOM headquarters was briefed during the team's final leg of the return trip.

JAG calls for Program Reviews !!!

At the Joint Acquisition Group Meeting on 5 September, at the request of the Army representative, a schedule of reviews of each program has been established for 14 November 1997 at Hochmuth Hall on the Marine Corps Base, Quantico, Virginia. Each funded project line will be required to provide a program overview and funding profile and plan in a 20 minute time period. A specific format for the briefings which will be a slightly modified version of those used during the Director's Reviews will be used.

Detailed instructions with the briefing format are being mailed out the first week of October to all appropriate offices.

JNLWD undertakes MOA Revision

With the concurrence of the IPT, the Director JNLWD has started a review of the Memorandum of Agreement among the Services (and US-SOCOM) that established the organization of the Joint NLW Program. There has been some criticism that the organization may be too "top heavy" and might be able to function more efficiently with a more streamlined structure. Among the initial ideas being considered are the combining of the JCRG and the JAG into a Council of Eagles (0-6 level vice star level) with representation from both requirements and acquisition communities for all voting members. Also being considered is the elimination of the Senior Steering Committee and the "interim" label for the directorate. The revised MOA will be developed in draft and staff to all the voting members on the IPT for review and comment. The final version will be provided the IPT in February for approval and signature.

New Non-Lethal Training Concept

The JNLW Directorate has begun the process to formalize the non-lethal training program for all the Services and unified commands. Based on an existing training package developed by the Marine Detachment at the US Army Military Police School (USAMPS) the program will include a 10-day Train-the-Trainer (TTT) curriculum which is envisioned as a resident course at USAMPS. There will also be an 8-day Train-the-User (TTU) course that will be used as part of a mobile NL Training Team package that will train up to 200

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Soldiers, Sailors, Airmen, or Marines in the employment of non-lethal munitions and technologies. It is anticipated that the first resident TTT course will begin some time in 1998. A Mobile Training Team from USAMPS, Fort McClellan, has been very involved with non-lethal weapons training in Somalia, Haiti, and Bosnia, as well as the training programs in each of the three Marine Expeditionary Forces and the XVIII Corps.

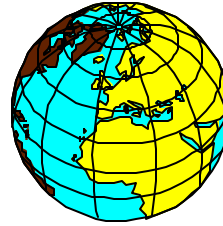
their military application. Please mark the dates on your calendar. If you have any questions concerning the conference, please contact us here at the Directorate.

NLW Database in Development

A Joint Non-Lethal Weapons Program website is working diligently to complete a comprehensive non-lethal weapons database accessible through its office. This fully automated, CD-Rom-based system is being developed by Booze, Allen and Hamilton, and will include all available publications, directives, documentation and test data on non-lethal weapons and technology, both domestic and international. It will serve as both an archive, as well as a research information source for all qualified users. It is anticipated that the database work will be completed by early 1998. To learn more about the project, please contact Mr. Don Anderson, JNLWD, DSN 278-1977/2951.

NLWD III Conference Set for February 1998

The American Defense Preparedness Association (ADPA) is co-sponsoring with the Joint NLW Directorate its third NLW Defense conference. This next conference will be held in northern Virginia on 27 and 28 February 1998. A call for papers has been distributed via the internet and through the mail. This coming conference will focus on the new NLW technologies and



News You Can Use !!! *Joint Acquisition Group Holds Reviews*

On 14 November, on a very tight schedule, the Joint Acquisition group (JAG) chaired by MajGen Williams USMC held a full day of program reviews to provide the voting principals on the JAG an update on the 14 funded projects within the NLW Program. The presenters kept to their 20 minutes of allotted time and briefed their projects in a very professional manner. The JAG commented positively on the organization and standardized format of the presentations and the obvious effort by all concerned to make their individual projects "joint". Although many questions still need to be answered as to the potential viability of either technology or project milestones, this first-ever program review for the JAG proved extremely informative. In its Executive Session, the JAG principals also agreed to approve the joining of the acoustics bio-effects testing and generator lines, and to source the funding for U.S. Marine Corps-unique deficiencies. Everyone wasn't joining hands singing "Kumbaya" at the end, but it was a very productive session..

NLW Program Briefed at Interna- tional Conference

Lieutenant General Martin R. Steele USMC provided the keynote speech at Jane's Information Group's International Conference on

Non-lethal Weapons and Technology held on 20 and 21 November in London. Mr. Charles Swett followed with an overview of the Department of Defense's Non-Lethal Weapons Policy. In addition to a panel of speakers from the U.S. and several foreign countries, Col Mazzara and Ms. Hildi Libby (NL Systems Manager, AMC/ARDEC) presented the DoD Program Overview. LtGen Steele focused on the real world needs for non-lethals and our recently approved Joint Concept for Non-Lethal Weapons. He stressed that although we had come a long way and were obviously providing leadership in the new aspect of warfighting, the U.S. program had a lot of hard work and a ways to go yet before a real capability was fielded to our forces. The U.S. presentations were well-received and some very positive feedback was provided by our international counterparts.

ARDEC/AMC keep pushing support to Bosnia

The joint forces in Bosnia continue to receive outstanding support from the Army Materiel Command through ARDEC at Picatinny, NJ and ERDEC at Aberdeen, MD. With the continually rotating forces and the requirements to train soldiers preparing for a difficult mission in a highly charged political environment, AMC has ensured that the numbers and types of munitions necessary to sustain training, readiness and operations are on hand in theater.

Inside

- 1 JAG Reviews !
- 2 ROE project underway
- 3 Find our Web Site
- 3 NLWD Conference in February

2

"ROE . . . will assist but not restrict . . . tactical decision-making"

CINC's Contingency Stock Procedures Formalized

The JNLWD, at the request of the Army Chief of Staff, conducted a conference at Quantico in early November to assess the needs of the combatant commanders for contingency stocks of non-lethal weapons and munitions. The results of the conference were published in a message that detailed the procedures for urgent field requests for these type munitions and which agencies had responsibility for responding. Each of the CINC reps were briefed on the program and the various munitions that are available, as well as the training concept to field a real capability with these munitions. In response to future requests from the CINC's through the Joint Staff, the Joint Non-Lethal Weapons Directorate (JNLWD) will coordinate and track the response which will be the primary responsibility of HQDA though the Army Materiel Command. The JNLWD will ensure the training requirement is addressed and will assist in facilitating special requirements outside the normal NL munition requests.

Human Effects Advisory Panel closer to reality !!!

After a month-long CBD announcement, the JNLWD is close to completing its award of a contract to the Applied Research Lab (ARL) at Pennsylvania State University to establish the Human Effects Advisory Panel (HEAP). The ARL has long been a Navy-sponsored lab and is an extremely capable, multi-disciplinary organization widely reputed for its weapons engineering and acoustics research. The JNLWD leveraging the 50 years of Navy investment has worked closely with the new Institute for Non-Lethal Defense Technologies at Penn State to build a worthwhile relationship. The HEAP will NOT do any testing, but rather review test results, existing policy, legal

reviews, and other documentation to address the issue of "acceptability" for individual non-lethal technologies. Additionally, it is anticipated that the HEAP will also assist in determining what has come to be known as the "Swett Curves" for assessing the relative effects of non-lethal weapons.

JNLWD undertakes ROE Project

Once again, in response to senior Army leadership concerns, as well as in conjunction with internal plans, the Directorate has established a plan of action and milestones to develop a non-lethal weapons annex to the CJCS Standing Rules of Engagement (SROE). This process has already begun with several preliminary working group sessions. A formal conference will be held at Quantico bringing in representatives from all the Services and the combatant commands to discuss the detailed requirements for ROE. It is the intention of all concerned to provide our commanders on the scene with a framework within which to employ these technologies which will assist, but not restrict, him/her in their tactical decision-making. NLWs have added an obvious degree of complexity within these typically politically sensitive environments, and some broad guidelines are necessary to allow the chain of command to function in a more appropriate and deliberate manner.

New Joint Non-Lethal Weapons Web Site!

The JNLW Directorate has completed work on a new web site accessible to all through the Headquarters Marine Corps Home Page. The web site contains background information on the

Program to include FTP files of the DoD Directive on Non-Lethal Weapons Policy and the Joint Services Memorandum of Agreement which can be downloaded. There is schedule information for upcoming meetings and copies of the latest newsletter - look for this one soon. It is a fairly extensive site and will hopefully keep the "community" informed as to the program progress in a number of critical areas. The best way to find the site is to go:

<http://www.hqmc.usmc.mil/nlw/nlw.nsf>
which will allow you to enter the main page and provide you links to many additional non-lethal weapons pages and sites. Don't get left out on what's happening in the non-lethal business !

A Non-Lethal APL Alternative?

With the initiative underway within the Department of Defense to explore alternative solutions to the anti-personnel landmine (APL), the Joint Non-Lethal Weapons Program has proposed several different technologies to consider for further concept exploration and potential expansion into this area. The Army has three projects, the Air Force one and the Navy one, which have all been promoted as potential candidates by the Directorate. The overall DoD effort is divided into two tracks: the first track is a near-term effort under the Army's lead, and the other is a long-term project sponsored by DARPA. With the Army leading the near-term effort, the Executive Agent for Non-Lethal Weapons will coordinate through a Marine Corps program office the non-lethal alternative aspect for the joint services. In addition to expanding the scope of several NLW projects, this effort would involve some aggressive experimentation at both the Army's Dismounted Battlespace Battle Lab (DBBL) and the Marine Corps Warfighting Lab.

NLWD III Conference Set for February 1998

The American Defense Preparedness Association (ADPA) is co-sponsoring with the Joint NLW Directorate, and others, its third NLW Defense conference. This next conference will be held at Johns Hopkins University's Applied Physics Lab in Maryland on 25 and 26 February 1998. A list of interesting speakers and seminars is already established. Lieutenant General Martin Steele USMC, Chairman of the NLW Integrated Product Team, will kick the Conference off with the opening speech. This coming conference will focus on the new NLW technologies and their military application. Please mark the dates on your calendar. If you have any questions concerning the conference, please contact us here at the Directorate.